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**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A mercury vapor discharge lamp comprising:

an envelope;

means for providing a discharge;

5 a discharge-sustaining fill of mercury and an inert gas sealed inside said envelope; and

a phosphor-containing layer coated inside said envelope, said phosphor-containing layer including a blend of phosphors, including:

10 a blue-green emitting halophosphate having a peak at about 470-490 nm;

a red-emitting phosphor having a peak at 600-620 nm;

a green-emitting phosphor having a peak at 535-555 nm;

optionally, a blue-emitting phosphor having a peak at 470-510 nm; and

15 a white-emitting halophosphate, the white emitting halophosphate having a first peak at about 570-590 nm and a second peak at about 470-490 nm and a correlated color temperature which is at least approximately the same as that of the lamp.

2. (Cancelled).

3. (Original) The lamp according to claim 1, wherein the blue-green emitting halophosphate has the general formula:  $\text{Ca}_{5-y}(\text{PO}_4)_3\text{F}_{1-y}\text{O}_y\text{Sb}_y$ , where  $0.03 < y < 0.07$ .

4. (Currently Amended) The lamp according to claim [[2]] 1, wherein the white-emitting halophosphate has the general formula:  $\text{Ca}_{5-x-y}(\text{PO}_4)_3\text{F}_{1-z-y}\text{Cl}_z\text{O}_y\text{Mn}_x\text{Sb}_y$  where

$0.03 < x < 0.22;$

5  $0.03 < y < 0.07;$  and

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$0.02 < z < 0.2$ .

5. (Original) The lamp according to claim 1, wherein at least one of the red-emitting phosphor and the green-emitting phosphor includes a rare-earth phosphor.

6. (Original) The lamp according to claim 5, wherein the green-emitting phosphor is a terbium-activated phosphor selected from the group consisting of lanthanum phosphate activated with cerium (3+) and terbium (3+) (LAP), cerium magnesium aluminate activated with terbium (CAP), and gadolinium magnesium pentaborate activated with terbium and cerium.

7. (Original) The lamp according to claim 5, wherein the red-emitting phosphor includes yttrium oxide activated with europium (3+) (YEO).

8. (Original) The lamp according to claim 5, wherein the red-emitting phosphor and the green emitting phosphor are both rare earth phosphors and the ratio of blue-green emitting halophosphate to rare earth phosphors is from 10:9 to 1:1.

9. (Original) The lamp according to claim 8, wherein the ratio of blue-green emitting halophosphate to rare earth phosphors is from 1:5 to 2:5.

10. (Original) The lamp according to claim 9, wherein the ratio of blue-green emitting halophosphate to rare earth phosphors is about 3:10.

11. (Currently Amended) The lamp according to claim [[2]] 1, wherein the white-emitting halophosphate is 50-90% by weight of the blend of phosphors.

12. (Currently Amended) A mercury vapor discharge lamp comprising:  
an envelope;  
means for providing a discharge;  
a discharge-sustaining fill of mercury and an inert gas sealed inside  
5 said envelope; and  
a phosphor-containing layer coated inside said envelope, said phosphor-containing layer including a blend of phosphors, including:  
a blue-green emitting halophosphate having a peak at about

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470-490 nm;

- 10           a red-emitting phosphor having a peak at 600-620 nm;  
             a green-emitting phosphor having a peak at 535-555 nm; and  
             a white-emitting halophosphate, the white-emitting  
             halophosphate having a first peak at about 570-590 nm and a second  
15           peak at about 470-490 nm and comprising 60-80% by weight of the  
             blend of phosphors.

13.    (Original) The lamp according to claim 12, wherein the white-emitting halophosphate is about 70 wt% by weight of the blend of phosphors.

14.    (Currently Amended) The lamp according to claim [[2]] 1, wherein the phosphor layer is the only phosphor layer coated inside said envelope.

15.    (Currently Amended) The lamp according to claim [[2]] 1, wherein the phosphor layer has a color rendition index (CRI) of at least 70.

16.    (Original) The lamp according to claim 1, wherein the phosphor blend is free of blue-emitting rare earth phosphors.

17.    (Currently Amended)       A method of forming a lamp, the method including:

- forming a blend of phosphors, the blend of phosphors including a blue-green emitting halophosphate having a peak at about 470-490 nm, a red-emitting phosphor having a peak at 600-620 nm, a green-emitting phosphor having a peak at 535-555 nm and a white-emitting halophosphate, the white emitting halophosphate having a first peak at about 570-590 nm and a second peak at about 470-490 nm and a correlated color temperature which is at least approximately the same as that of the lamp;
- 5           forming a coating comprising the blend of phosphors on a wall of an envelope; and
- 10           sealing a fill inside the envelope, the fill including mercury and an inert gas.

18.    (Original) The method according to claim 17, wherein the blend of phosphors further includes a white-emitting halophosphate.

19.    (Previously Amended) A method of providing a light source, the

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method including:

- 5 depositing only a single phosphor layer on a surface of an envelope, the phosphor layer including a blend of phosphors, the blend of phosphors including a white-emitting halophosphate, a blue-green emitting halophosphate, a red-emitting phosphor, and a green-emitting phosphor, the white-emitting halophosphate comprising 60-80% by weight of the blend of phosphors; and
- 10 initiating a discharge within the envelope thereby generating light, at least a portion of the light being converted to light of a different wavelength by the phosphor coating such that light emitted from the envelope has a color rendition index (CRI) of at least 70.

20. (New) The method of claim 19, wherein the blue-green emitting halophosphate, red-emitting phosphor, and green-emitting phosphor, in combination, having a color rendition index of at least 89.